Government College of Engineering, Aurangabad

One Week
Faculty Development Program
ON
"Optimization In Machine Learning"
27ᵗʰ Feb -3ʳᵈ March 2017

Sponsored by TEQIP (Phase II)

REGISTRATION FORM

Name: _____

Dept : _____

Name Organization: _____

Address for communication: _____
_____

Mobile/Tel: _____

E-mail: _____

Educational Qualification: _____

Experience: _____

Registration Fee: Rs. _____

Dated: _____

Signature of Applicant

Sponsorship and signature of Head of the
Institute (with date and seal)
(Photocopies of registration form are acceptable)

Patrons

Dr. S. K. Mahajan (Chief
Coordinator, SPFU) Director,
Directorate of Technical
Education, Maharashtra State, Mumbai

Prof. Mahesh Shivankar
Joint Director, Technical Education
Regional Office, Aurangabad

Dr. P. B. Murnal
Principal, Govt. College of Engineering,
Aurangabad

Dr. Archana Thosar
TEQIP Coordinator

Convener
Ms. Varsha Gaikwad
Head, Dept. of IT

Coordinator
Ms. Sangita Nemade
Department of IT

ORGANISING COMMITTEE
Mr. Pankaj Mohrut
Mr. Bharat Chaudhari
Mr. Kiran Sonkamble
Miss Sujata Magare
Miss. Deepa Tandle
Mr. Umesh Bodkhe

One Week
Faculty Development Program
On
"Optimization In Machine Learning"
27ᵗʰ Feb -3ʳᵈ March 2017
Sponsored by
Technical Education Quality Improvement
Programme

(TEQIP Phase II)

Organized by

Department of Information Technology
Government College of Engineering
Aurangabad - 431 005
Maharashtra State, India
(An Autonomous Institute of Govt. of Maharashtra)
Phone: 0240-
E-mail: sangita_nemade@rediffmail.com,
www.geca.ac.in
"In Pursuit of Global Competitiveness"

INTRODUCTION

The main objective of this FDP is to enlighten the participants with the principles and applications of **Optimization** in **Machine Learning**. The interplay between optimization and machine learning is one of the most important developments in modern computational science. Optimization formulations and methods are proving to be vital in designing algorithms to extract essential knowledge from huge volumes of data. Machine learning, however, is not simply a consumer of optimization technology but a rapidly evolving field that is itself generating new optimization ideas. The state of the art of the interaction between optimization and machine learning in a way that is accessible to researchers in both fields. The increasing complexity, size, and variety of today's machine learning models call for the reassessment of existing assumptions.

DATE AND VENUE

The TEQIP-II One Week Faculty Development Program will be held during 27th Feb -3rd March 2017 at Training Room, Department of Information Technology, Government College of Engineering, Aurangabad.

COURSE CONTENTS

- ❖ Optimization and its Method
- ❖ Regression Techniques
- ❖ Neural Network Learning
- ❖ Support Vector Machine
- ❖ Genetic Algorithm.

- ❖ Data Cluster Optimization
- ❖ Reinforcement Learning
- ❖ Supervised and Unsupervised Learning
- ❖ Deep Learning
- ❖ Principal of Components Analysis

ELIGIBILITY

Faculty members from AICTE approved Engineering Colleges, Polytechnics, and Participants from industry and R&D institutes, Research Scholars and UG/PG students are eligible to attend the FDP

REGISTRATION

Candidates should complete the enclosed registration form procedure and send it by mail to one of the contact persons. Confirmation of eligible candidates will be on a first come first served basis up to a maximum of 40 candidates. The completed registration forms should be received by the contact persons at the earliest. The selection of the participants for the FDP will be communicated by e-mail immediately after receipt of registration form and DD.

REGISTRATION FEE

Faculty Participants : Rs.3000/-
Industry Participants : Rs.4000/-
The payment shall be made by Demand Draft in favour of **Principal, GovernmentCollege of Engineering, Aurangabad** payable at Aurangabad.

Traveling, Lodging, Boarding and other expenses will have to be borne by the participants. Accommodation

arrangements will have to be managed by the participants only. However, the guidance will be provided for accommodation.

ABOUT AURANGABAD

Aurangabad is a historic, holy place and a centre for tourism. The Lord Ghrishneshwar temple, Bhadra Maruti, Saint Eknath Maharaj temple, Daulatabad Fort, Biwi-ka-Makbara, world famous Ajanta and Ellora caves are in close proximity. The city is well connected by roads, rails and air route.

CONTACT PERSONS

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